Mirko Schoenitz

List of Publications by Citations

159 papers	4,141 citations	36 h-index	58 g-index
166 ext. papers	4,752 ext. citations	4.1 avg, IF	5.86 L-index

#	Paper	IF	Citations
159	Effect of polymorphic phase transformations in Al2O3 film on oxidation kinetics of aluminum powders. *Combustion and Flame*, **2005**, 140, 310-318	5.3	363
158	Effect of polymorphic phase transformations in alumina layer on ignition of aluminium particles. *Combustion Theory and Modelling*, **2006**, 10, 603-623	1.5	219
157	Ignition of Aluminum Powders Under Different Experimental Conditions. *Propellants, Explosives, Pyrotechnics*, **2005**, 30, 36-43	1.7	161
156	Exothermic reactions in Al□CuO nanocomposites. *Thermochimica Acta*, **2006**, 451, 34-43	2.9	138
155	Oxidation and melting of aluminum nanopowders. *Journal of Physical Chemistry B*, **2006**, 110, 13094-9	3.4	127
154	Fully dense nano-composite energetic powders prepared by arrested reactive milling. *Proceedings of the Combustion Institute*, **2005**, 30, 2071-2078	5.9	107
153	Experimental methodology and heat transfer model for identification of ignition kinetics of powdered fuels. *International Journal of Heat and Mass Transfer*, **2006**, 49, 4943-4954	4.9	93
152	Structure and properties of Al□Mg mechanical alloys. *Journal of Materials Research*, **2003**, 18, 1827-1836	2.5	86
151	Aluminum-Rich Al-MoO3 Nanocomposite Powders Prepared by Arrested Reactive Milling. *Journal of Propulsion and Power*, **2008**, 24, 192-198	1.8	80
150	Fully Dense, Aluminum-Rich Al-CuO Nanocomposite Powders for Energetic Formulations. *Combustion Science and Technology*, **2008**, 181, 97-116	1.5	79
149	Ignition of aluminum-rich Al□Ti mechanical alloys in air. *Combustion and Flame*, **2006**, 144, 688-697	5.3	75
148	A study of mechanical alloying processes using reactive milling and discrete element modeling. *Acta Materialia*, **2005**, 53, 2909-2918	8.4	70
147	Control of Structural Refinement and Composition in Al-MoO3 Nanocomposites Prepared by Arrested Reactive Milling. *Propellants, Explosives, Pyrotechnics*, **2006**, 31, 382-389	1.7	63
146	Mechanical alloying and reactive milling in a high energy planetary mill. *Journal of Alloys and Compounds*, **2009**, 478, 246-251	5.7	61
145	Mechanochemically prepared reactive and energetic materials: a review. *Journal of Materials Science*, **2017**, 52, 11789-11809	4.3	58
144	Oxidation kinetics and combustion of boron particles with modified surface. *Combustion and Flame*, **2016**, 173, 288-295	5.3	57
143	Constant Volume Explosions of Aerosols of Metallic Mechanical Alloys and Powder Blends. *Journal of Propulsion and Power*, **2003**, 19, 405-412	1.8	57

142	Ignition and combustion of mechanically alloyed Al/Mg powders with customized particle sizes. *Combustion and Flame*, **2013**, 160, 835-842	5.3	56
141	REFLECTED SHOCK IGNITION AND COMBUSTION OF ALUMINUM AND NANOCOMPOSITE THERMITE POWDERS. *Combustion Science and Technology*, **2007**, 179, 457-476	1.5	51
140	Kinetic Analysis of Thermite Reactions in Al-MoO3 Nanocomposites. *Journal of Propulsion and Power*, **2007**, 23, 683-687	1.8	50
139	Fluorine-containing oxidizers for metal fuels in energetic formulations. *Defence Technology*, **2019**, 15, 1-22	3	48
138	Correlating ignition mechanisms of aluminum-based reactive materials with thermoanalytical measurements. *Progress in Energy and Combustion Science*, **2015**, 50, 81-105	33.6	47
137	The effect of surface modification of aluminum powder on its flowability, combustion and reactivity. *Powder Technology*, **2010**, 204, 63-70	5.2	47
136	Combustion of Boron-Titanium Nanocomposite Powders in Different Environments. *Journal of Propulsion and Power*, **2008**, 24, 184-191	1.8	47
135	Nanocomposite thermite powders prepared by cryomilling. *Journal of Alloys and Compounds*, **2009**, 488, 386-391	5.7	45
134	Morphology and composition of the fly ash particles produced in incineration of municipal solid waste. *Fuel Processing Technology*, **2002**, 75, 173-184	7.2	45
133	Oxidation of nano-sized aluminum powders. *Thermochimica Acta*, **2016**, 636, 48-56	2.9	44
132	Iodine Release, Oxidation, and Ignition of Mechanically Alloyed Al/I Composites. *Journal of Physical Chemistry C*, **2010**, 114, 19653-19659	3.8	42
131	Combustion of boron and boron/iron composite particles in different oxidizers. *Combustion and Flame*, **2018**, 192, 44-58	5.3	41
130	Oxidation of aluminum powders at high heating rates. *Thermochimica Acta*, **2010**, 507-508, 115-122	2.9	41
129	Oxidation of aluminum particles in the presence of water. *Journal of Physical Chemistry B*, **2009**, 113, 5136-40	3.4	40
128	COMBUSTION OF AEROSOLIZED SPHERICAL ALUMINUM POWDERS AND FLAKES IN AIR. *Combustion Science and Technology*, **2004**, 176, 1055-1069	1.5	40
127	Inactivation of aerosolized Bacillus atrophaeus (BG) endospores and MS2 viruses by combustion of reactive materials. *Environmental Science & Technology*, **2012**, 46, 7334-41	10.3	39
126	Production of carbon-coated aluminium nanopowders in pulsed microarc discharge. *Nanotechnology*, **2002**, 13, 638-643	3.4	39
125	Mechanically alloyed Al/I composite materials. *Journal of Physics and Chemistry of Solids*, **2010**, 71, 1213-1220	3.9	37

124	Aluminum in magnesium silicate perovskite: Formation, structure, and energetics of magnesium-rich defect solid solutions. *Journal of Geophysical Research*, **2003**, 108,		37
123	Combustion of boron particles in products of an air–acetylene flame. *Combustion and Flame*, **2016**, 172, 194-205	5.3	36
122	Oxidation, ignition, and combustion of Al–2 composite powders. *Combustion and Flame*, **2012**, 159, 1980-1986	5.3	35
121	Reactions leading to ignition in fully dense nanocomposite Al-oxide systems. *Combustion and Flame* , **2011**, 158, 1076-1083	5.3	35
120	Thermal inactivation of airborne viable Bacillus subtilis spores by short-term exposure in axially heated air flow. *Journal of Aerosol Science*, **2010**, 41, 352-363	4.3	34
119	Oxidation Processes and Phase Changes in Metastable Al-Mg Alloys. *Journal of Propulsion and Power*, **2004**, 20, 1064-1068	1.8	33
118	Boron doped with iron: Preparation and combustion in air. *Combustion and Flame*, **2019**, 200, 286-295	5.3	32
117	Reaction interface between aluminum and water. *International Journal of Hydrogen Energy*, **2013**, 38, 11222-11232	6.7	32
116	Correlation of optical emission and pressure generated upon ignition of fully-dense nanocomposite thermite powders. *Combustion and Flame*, **2013**, 160, 734-741	5.3	32
115	Combustion Characteristics of Stoichiometric Al-CuO Nanocomposite Thermites Prepared by Different Methods. *Combustion Science and Technology*, **2017**, 189, 555-574	1.5	31
114	Mechanically alloyed Al–i powders. *Journal of Alloys and Compounds*, **2007**, 432, 111-115	5.7	31
113	Oxidation of Magnesium: Implication for Aging and Ignition. *Journal of Physical Chemistry C*, **2016**, 120, 974-983	3.8	28
112	Method for Studying Survival of Airborne Viable Microorganisms in Combustion Environments: Development and Evaluation. *Aerosol and Air Quality Research*, **2010**, 10, 414-424	4.6	28
111	Effect of temperature on synthesis and properties of aluminum–magnesium mechanical alloys. *Journal of Alloys and Compounds*, **2005**, 402, 70-77	5.7	28
110	Reactive, Mechanically Alloyed Al–Mg Powders with Customized Particle Sizes and Compositions. *Journal of Propulsion and Power*, **2014**, 30, 96-104	1.8	27
109	Calorimetric investigation of the aluminum–water reaction. *International Journal of Hydrogen Energy*, **2012**, 37, 11035-11045	6.7	27
108	Arrested Reactive Milling Synthesis and Characterization of Sodium-Nitrate Based Reactive Composites. *Propellants, Explosives, Pyrotechnics*, **2007**, 32, 32-41	1.7	27
107	Ignition and combustion of boron-based Al–B–2 and Mg–B–2 composites. *Chemical Engineering Journal*, **2016**, 293, 112-117	14.7	26

106	Iodine-containing aluminum-based fuels for inactivation of bioaerosols. *Combustion and Flame*, **2014**, 161, 303-310	5.3	24
105	Aluminum-Metal Reactive Composites. *Combustion Science and Technology*, **2011**, 183, 1107-1132	1.5	24
104	Bimetal Al□Ni nano-powders for energetic formulations. *Combustion and Flame*, **2016**, 173, 179-186	5.3	24
103	Metal-rich aluminum□olytetrafluoroethylene reactive composite powders prepared by mechanical milling at different temperatures. *Journal of Materials Science*, **2017**, 52, 7452-7465	4.3	22
102	Low-temperature exothermic reactions in fully-dense Al/MoO3 nanocomposite powders. *Thermochimica Acta*, **2014**, 594, 1-10	2.9	22
101	Effect of purity and surface modification on stability and oxidation kinetics of boron powders. *Thermochimica Acta*, **2017**, 652, 17-23	2.9	21
100	Characterization of Fine Nickel-Coated Powder as Potential Fuel Additive. *Journal of Propulsion and Power*, **2010**, 26, 454-460	1.8	20
99	Aluminum Powder Oxidation in CO2 and Mixed CO2/O2 Environments. *Journal of Physical Chemistry C*, **2009**, 113, 6768-6773	3.8	20
98	Consolidation and mechanical properties of reactive nanocomposite powders. *Powder Technology*, **2011**, 208, 637-642	5.2	20
97	On problems of isoconversion data processing for reactions in Al-rich Al□MoO3 thermites. *Thermochimica Acta*, **2008**, 477, 1-6	2.9	20
96	Initial stages of oxidation of aluminum powder in oxygen. *Journal of Thermal Analysis and Calorimetry*, **2016**, 125, 129-141	4.1	19
95	Carbide formation in Al□Ti mechanical alloys. *Scripta Materialia*, **2005**, 53, 1095-1099	5.6	19
94	Combustion of Boron and Boron-Containing Reactive Composites in Laminar and Turbulent Air Flows. *Combustion Science and Technology*, **2017**, 189, 683-697	1.5	18
93	Nanocomposite Thermites with Calcium Iodate Oxidizer. *Propellants, Explosives, Pyrotechnics*, **2017**, 42, 284-292	1.7	18
92	Validation of the Thermal Oxidation Model for Al/CuO Nanocomposite Powder. *Combustion Science and Technology*, **2014**, 186, 47-67	1.5	18
91	Mechanical Alloys in the Al-Rich Part of the Al-Ti Binary System. *Journal of Metastable and Nanocrystalline Materials*, **2004**, 20-21, 455-461	0.2	18
90	Enthalpy of formation of CaSi2O5, a quenched high-pressure phase with pentacoordinate silicon. *Physics and Chemistry of Minerals*, **2001**, 28, 57-60	1.6	18
89	Nanocomposite and mechanically alloyed reactive materials as energetic additives in chemical oxygen generators. *Combustion and Flame*, **2014**, 161, 2708-2716	5.3	16

88	Thermodynamic data of lawsonite and zoisite in the system CaOAl2O3SiO2H2O based on experimental phase equilibria and calorimetric work. *Contributions To Mineralogy and Petrology*, **2001**, 142, 298-308	3.5	16
87	Boron-based reactive materials with high concentrations of iodine as a biocidal additive. *Chemical Engineering Journal*, **2017**, 325, 495-501	14.7	15
86	Effect of composition on properties of reactive AlBI2 powders prepared by mechanical milling. *Journal of Physics and Chemistry of Solids*, **2015**, 83, 1-7	3.9	15
85	Nanocomposite thermite powders with improved flowability prepared by mechanical milling. *Powder Technology*, **2018**, 327, 368-380	5.2	15
84	Effect of boron content in BBiF3 and BBi composites on their ignition and combustion. *Combustion and Flame*, **2020**, 215, 78-85	5.3	14
83	AluminumIodoform Composite Reactive Material. *Advanced Engineering Materials*, **2014**, 16, 909-917	3.5	14
82	Bismuth fluoride-coated boron powders as enhanced fuels. *Combustion and Flame*, **2020**, 221, 1-10	5.3	14
81	Mechanically alloyed magnesiumBoroniodine composite powders. *Journal of Materials Science*, **2016**, 51, 3585-3591	4.3	13
80	Aluminum-based materials for inactivation of aerosolized spores of Bacillus anthracis surrogates. *Aerosol Science and Technology*, **2017**, 51, 224-234	3.4	13
79	Oxidation of Aluminum Particles in Mixed CO2/H2O Atmospheres. *Journal of Physical Chemistry C*, **2010**, 114, 18925-18930	3.8	13
78	Biocidal effectiveness of combustion products of iodine-bearing reactive materials against aerosolized bacterial spores. *Journal of Aerosol Science*, **2018**, 116, 106-115	4.3	13
77	Modes of Ignition of Powder Layers of Nanocomposite Thermites by Electrostatic Discharge. *Journal of Energetic Materials*, **2017**, 35, 29-43	1.6	12
76	Composite AlTi powders prepared by high-energy milling with different process controls agents. *Advanced Powder Technology*, **2019**, 30, 1319-1328	4.6	12
75	Preparation, Ignition, and Combustion of MgS Reactive Nanocomposites. *Combustion Science and Technology*, **2016**, 188, 1345-1364	1.5	12
74	Combustion of Mg and composite MgS powders in different oxidizers. *Combustion and Flame*, **2018**, 195, 292-302	5.3	11
73	Reactive Composite BoronMagnesium Powders Prepared byMechanical Milling. *Journal of Propulsion and Power*, **2018**, 34, 787-794	1.8	11
72	Enthalpy of formation of katoite Ca3Al2[(OH)4]3: Energetics of the hydrogarnet substitution. *American Mineralogist*, **1999**, 84, 389-391	2.9	11
71	Microspheres with Diverse Material Compositions Can be Prepared by Mechanical Milling. *Advanced Engineering Materials*, **2020**, 22, 1901204	3.5	11

70	Fuel-rich aluminum–nickel fluoride reactive composites. *Combustion and Flame*, **2019**, 210, 439-453	5.3	10
69	Heterogeneous reaction kinetics for oxidation and combustion of boron. *Thermochimica Acta*, **2019**, 682, 178415	2.9	9
68	Energy storage materials with oxide-encapsulated inclusions of low melting metal. *Acta Materialia*, **2016**, 107, 254-260	8.4	9
67	Combustion of Aluminum-Metal Fluoride Reactive Composites in Different Environments. *Propellants, Explosives, Pyrotechnics*, **2019**, 44, 1327-1336	1.7	9
66	High-temperature phase equilibria in the system Zr–O–N. *Journal of Materials Research*, **2006**, 21, 320-328	2.5	9
65	Experimental technique for studying high-temperature phases in reactive molten metal based systems. *Review of Scientific Instruments*, **2004**, 75, 5177-5185	1.7	9
64	Numerical Simulation of Mechanical Alloying in a Shaker Mill by Discrete Element Method. *KONA Powder and Particle Journal*, **2005**, 23, 152-162	3.4	9
63	ON GAS RELEASE BY THERMALLY-INITIATED FULLY-DENSE 2Al–3CuO NANOCOMPOSITE POWDER. *International Journal of Energetic Materials and Chemical Propulsion*, **2012**, 11, 275-292	1.9	9
62	Effect of premilling Al and CuO in acetonitrile on properties of Al–CuO thermites prepared by arrested reactive milling. *Combustion and Flame*, **2020**, 214, 57-64	5.3	9
61	Oxidation, ignition and combustion behaviors of differently prepared boron-magnesium composites. *Combustion and Flame*, **2020**, 221, 11-19	5.3	9
60	Boron-Metal Fluoride Reactive Composites: Preparation and Reactions Leading to Their Ignition. *Journal of Propulsion and Power*, **2019**, 35, 802-810	1.8	8
59	Oxidation of differently prepared Al-Mg alloy powders in oxygen. *Journal of Alloys and Compounds*, **2016**, 685, 402-410	5.7	8
58	Oxidation of Mechanically Alloyed Al-rich Al–Ti Powders. *Oxidation of Metals*, **2006**, 65, 357-376	1.6	8
57	Zirconium-boron reactive composite powders prepared by arrested reactive milling. *Journal of Energetic Materials*, **2020**, 38, 142-161	1.6	8
56	Vapor-phase decomposition of dimethyl methylphosphonate (DMMP), a sarin surrogate, in presence of metal oxides. *Defence Technology*, **2021**, 17, 1095-1114	3	8
55	High density reactive composite powders. *Journal of Alloys and Compounds*, **2018**, 735, 1863-1870	5.7	7
54	Mechanochemical Nitration of Aromatic Compounds. *Journal of Energetic Materials*, **2018**, 36, 191-201	1.6	7
53	Effect of milling temperature on structure and reactivity of Al–Ni composites. *Journal of Materials Science*, **2018**, 53, 1178-1190	4.3	7

52	Custom particle morphology in energetic nanocomposites prepared by arrested reactive milling in immiscible liquids. *Powder Technology*, **2020**, 359, 238-246	5.2	7
51	Reactive Shell Model for Boron Oxidation. *Journal of Physical Chemistry C*, **2019**, 123, 11807-11813	3.8	6
50	Reactive and Metastable Nanomaterials Prepared by Mechanical Milling **2014**, 227-278		6
49	FUEL-RICH ALUMINUM-METAL FLUORIDE THERMITES. *International Journal of Energetic Materials and Chemical Propulsion*, **2017**, 16, 81-101	1.9	6
48	Inactivation of aerosolized surrogates of Bacillus anthracis spores by combustion products of aluminum- and magnesium-based reactive materials: Effect of exposure time. *Aerosol Science and Technology*, **2018**, 52, 579-587	3.4	5
47	Effect of process parameters on mechanochemical nitration of toluene. *Journal of Materials Science* , **2018**, 53, 13690-13700	4.3	5
46	Kinetics of thermal decomposition of a synthetic KH3O jarosite analog. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 609-620	4.1	5
45	PREPARATION AND CHARACTERIZATION OF GRANULAR HYBRID REACTIVE MATERIALS. *International Journal of Energetic Materials and Chemical Propulsion*, **2010**, 9, 267-284	1.9	5
44	Low-Temperature Exothermic Reactions in Al/CuO Nanothermites Producing Copper Nanodots and Accelerating Combustion. *ACS Applied Nano Materials*, **2021**, 4, 3811-3820	5.6	5
43	Preparation, ignition, and combustion of magnesium-calcium iodate reactive nano-composite powders. *Chemical Engineering Journal*, **2019**, 359, 955-962	14.7	5
42	Effect of Purity, Surface Modification and Iron Coating on Ignition and Combustion of Boron in Air. *Combustion Science and Technology*, **2021**, 193, 1567-1586	1.5	5
41	Transition Metal Catalysts for Boron Combustion. *Combustion Science and Technology*, **2021**, 193, 1400-1424	1.5	5
40	Mechanochemical nitration of toluene with metal oxide catalysts. *Applied Catalysis A: General*, **2020**, 601, 117604	5.1	4
39	Nearly Pure Aluminum Powders with Modified Protective Surface. *Combustion Science and Technology*, **2013**, 185, 1360-1377	1.5	4
38	The enthalpy of transformation of Ca(OH)2-I (portlandite) to Ca(OH)2-II (EuI2 structure) by low-temperature DSC. *Physics and Chemistry of Minerals*, **2000**, 27, 604-609	1.6	4
37	Stability and Ignition of a Siloxane-Coated Magnesium Powder. *Propellants, Explosives, Pyrotechnics*, **2020**, 45, 621-627	1.7	4
36	The Effect of Heating Rate on Combustion of Fully Dense Nanocomposite Thermite Particles. *Combustion Science and Technology*, **2017**, 1-19	1.5	3
35	Fuel-Rich Al-MoO3 Nanocomposites Prepared by Arrested Reactive Milling **2007**,		3

34	Combustion of Boron-Titanium Nanocomposite Powders in Different Environments **2006**,		3
33	Structural Refinement in Al-MoO3 Nanocomposites Prepared by Arrested Reactive Milling. *Materials Research Society Symposia Proceedings*, **2005**, 896, 41		3
32	OXIDATION, IGNITION AND COMBUSTION OF AL-HYDROCARBON COMPOSITE REACTIVE POWDERS. *International Journal of Energetic Materials and Chemical Propulsion*, **2012**, 11, 353-373	1.9	3
31	Study of particle lifting mechanisms in an electrostatic discharge plasma. *International Journal of Multiphase Flow*, **2021**, 137, 103564	3.6	3
30	Ignition of zirconium powders placed near an electrostatic discharge. *Combustion and Flame*, **2021**, 226, 1-13	5.3	3
29	Combustion of Composites of Boron with Bismuth and Cobalt Fluorides in Different Environments. *Combustion Science and Technology*, **2021**, 193, 1343-1358	1.5	3
28	Combustion of a rapidly initiated fully dense nanocomposite Al□CuO thermite powder. *Combustion Theory and Modelling*, **2019**, 23, 651-673	1.5	2
27	Preparation and Characterization of Silicon-Metal Fluoride Reactive Composites. *Nanomaterials*, **2020**, 10,	5.4	2
26	Displacement of powders from surface by shock and plasma generated by electrostatic discharge. *Journal of Electrostatics*, **2019**, 100, 103353	1.7	2
25	Preparation, ignition, and combustion of mechanically alloyed Al-Mg powders with customized particle sizes. *Materials Research Society Symposia Proceedings*, **2013**, 1521, 1		2
24	Nano-structured Aluminum Powders with Modified Protective Surface Layers. *Materials Research Society Symposia Proceedings*, **2013**, 1521, 1		2
23	Metastable Aluminum-Based Reactive Composite Materials Prepared by Cryomilling **2012**,		2
22	Aluminum Rich Al-CuO Nanocomposite Materials Prepared by Arrested Reactive Milling at Cryogenic and Room Temperature **2009**,		2
21	Nano-Composite Energetic Powders Prepared by Arrested Reactive Milling **2005**,		2
20	Aluminum in Magnesium Silicate Perovskite: Synthesis and Energetics of Defect Solid Solutions. *Materials Research Society Symposia Proceedings*, **2002**, 718, 1		2
19	Reactive Al-Li Powders Prepared by Mechanical Alloying. *Materials Research Society Symposia Proceedings*, **2005**, 896, 81		2
18	Spherical boron powders prepared by mechanical milling in immiscible liquids. *Powder Technology*, **2021**, 388, 41-50	5.2	2
17	Evaluation of K□3O jarosite as thermal witness material. *Journal of Thermal Analysis and Calorimetry*, **2014**, 117, 141-149	4.1	1

16	Characterization of Fine Aluminum Powder Coated with Nickel as a Potential Fuel Additive **2010**,		1
15	Mechanically Alloyed Al-Ti Powders Prepared by Mechanical Milling at Cryogenic Temperatures **2009**,		1
14	Mechanical Alloying and Reactive Milling in a High Energy Planetary Mill **2008**,		1
13	Heterogeneous Processes Leading To Metal Ignition In Reactive Nanocomposite Materials **2007**,		1
12	Arrested Reactive Milling for In-Situ Production of Energetic Nanocomposites for Propulsion and Energy-Intensive Technologies in Exploration Missions **2005**,		1
11	Kinetic Analysis of Thermite Reactions in Al-MoO3 Nanocomposites **2006**,		1
10	Oxidation Processes and Phase Changes in Metastable Al-Ti Mechanical Alloys. *Materials Research Society Symposia Proceedings*, **2003**, 800, 115		1
9	Titanium-boron reactive composite powders with variable morphology prepared by arrested reactive milling. *Fuel*, **2022**, 310, 122313	7.1	1
8	Boron-Rich Composite Thermite Powders with Binary Bi2O3□CuO Oxidizers. *Energy & Fuels*, **2021**, 35, 10327-10338	4.1	1
7	Highly reactive spheroidal milled aluminum. *Materialia*, **2021**, 15, 100959	3.2	1
6	Combustion of Magnesium-Sulfur Composite Particles Ignited by Different Stimuli. *Propellants, Explosives, Pyrotechnics*, **2018**, 43, 1178-1183	1.7	1
5	Effect of particle morphology on reactivity, ignition and combustion of boron powders. *Fuel*, **2022**, 324, 124538	7.1	1
4	Ignition Mechanisms of Reactive Nanocomposite Powders Combining Al, B, and Si as Fuels with Metal Fluorides as Oxidizers. *Combustion Science and Technology*,1-22	1.5	0
3	Parameters affecting mechanochemical nitration of aromatic precursors. *Chemical Engineering Science*, **2021**, 246, 116906	4.4	0
2	Potential one-pot synthesis of spherical magnesium silicate powder by mechanical milling. *Powder Technology*, **2022**, 404, 117458	5.2	0
1	Melting and Oxidation of Nanometer Size Aluminum Powders. *Materials Research Society Symposia Proceedings*, **2005**, 896, 61		